

APPENDIX A

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FOR U.S. PATENT APPLICATION ENTITLED
"SYSTEM AND METHODS FOR REMOTELY ACCESSING
A SELECTED GROUP OF ITEMS OF INTEREST FROM A DATABASE"

FOE2ED-6289T860

FULL CODE LISTING FOR VERSION 0.3 OF IN_VICINITY LOCATOR
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```

Sub AboutClvix_Click ()
    frmAbout.Show 1
End Sub

Sub cmbCategories_Click ()
    cmdUpdate.Enabled = True
End Sub

Sub cmbHeadings_Click ()
    If curHeadingStr <> cmbHeadings.Text Then
        DeleteCategories
        curHeadingStr = cmbHeadings.Text
        GetHeadingIndex (curHeadingStr)
        GetCategories (curHeadingIndex)
        If NumberOfCategories > 0 Then
            curCategoryStr = CategorySet!Category
            GetCategoryIndex (curCategoryStr)
            CategorySet.MoveFirst
            For i = 1 To NumberOfCategories - 1
                cmbCategories.AddItem CategorySet!Category
                CategorySet.MoveNext
            Next
            cmbCategories.AddItem CategorySet!Category
            cmbCategories.Text = cmbCategories.List(0)
            cmdUpdate.Enabled = True
        End If
    End If
End Sub

Sub cmdUpdate_Click ()
    If ItemNamesOn = True Then
        TItemNamesOn = True
        HideNames (NumberOfItems)
    End If
    HideItems

```


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```
curCategoryStr = cmbCategories.Text
GetCategoryIndex (curCategoryStr)

Panel3D7.Caption = Cities(CurrentCityIndex).Name
Panel3D9.Caption = Areas(CurrentLocation).Name
Panel3D11.Caption = curCategoryStr
cmdUpdate.Enabled = False
ShowItems (curCategoryIndex)
If TitemNamesOn = True Then
    ShowNames (NumberOfItems)
End If
lblPopItem.Visible = False

End Sub

Sub cmdZoom_Click ()
    lblPopCityArea.Visible = False
    If ZoomLevel = "City" Then 'zoom up to country map
        If AreaNamesOn Then
            HideNames (NumberOfAreas)
        End If
        HideAreas
        ShowCities
        picMain.Picture = picUSA.Picture
        cmdZoom.Visible = False
        Panel3D1.Visible = False
        Panel3D4.Visible = True
        lblUSMapCaption.Visible = False
        Panel3D7.Caption = "None"
        Panel3D9.Caption = "None"
        Panel3D11.Caption = "None"
        lblPopCityArea.Visible = False
        ZoomLevel = "Country"
        HelpShowNames.Checked = False
        If CityNamesOn Then
            ShowNames (NumberOfCities)
        End If
    End If
    If ZoomLevel = "Location" Then 'zoom up to city map
```



```

If ItemNamesOn Then
    HideNames (NumberOfItems)
End If
picMain.Picture = CityPicture.Picture
cmdZoom.Caption = "U.S. Map"
HideItems
ShowAreas
    ' show the areas on the map
ZoomLevel = "City"
picPort.Visible = False
picMain.Visible = True
Panel3D3.Visible = False
cmbCategories.Visible = False
cmbHeadings.Visible = False
cmdUpdate.Visible = False
Panel3D2.Visible = False
lblUSMapCaption.Visible = True
p3DItemInfo.Visible = False
p3DStreetAddLbl.Visible = False
p3DStreetAdd.Visible = False
p3DPhoneLbl.Visible = False
p3DPhone.Visible = False
p3DFaxLbl.Visible = False
p3DFaxNumber.Visible = False
'p3DDescLbl.Visible = False
'p3DDescription.Visible = False
picSponsorAd.Visible = False

curCategoryStr = ""
Panel3D9.Caption = "None"
Panel3D11.Caption = "None"
HelpShowNames.Checked = False
If AreaNamesOn Then
    ShowNames (NumberOfAreas)
End If
End If
End Sub

Sub FileExit_Click ()
End

```


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```
End Sub

Sub FilePrint_Click ()
    CMDialog1.CancelError = True
    On Error GoTo ErrHandler

    CMDialog1.Action = 5
    PrintForm

ErrHandler:
    Exit Sub
End Sub

Sub Form_Load ()

    ReDim Cities(1)

    'delivery only
    'Set DB = OpenDatabase("civix.mdb")

    'development only
    Set DB = OpenDatabase("t:\client\civix\proto\current\civix.mdb")
    Set GlobalSet = DB.CreateDynaset("SELECT * from Globals")

    PortXPix = GlobalSet!PortPixels
    PortYPix = GlobalSet!PortPixels
    CityXPix = GlobalSet!CityPixels
    CityYPix = GlobalSet!CityPixels
    PortXGrid = GlobalSet!Port Width
    PortYGrid = GlobalSet!Port Height
    'MsgBox "XP: " & PortXPix & "YP: " & PortYPix & "XG: " & PortXGrid & "YG: " & PortYGrid

    Set CitySet = DB.CreateDynaset("CitySet")
    Panel3D7.Caption = "None"
    Panel3D9.Caption = "None"
    Panel3D11.Caption = "None"
    GetNumberOfCities
    GetCities
```


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```
    PixelsWide = Form1.picMain.Width + 10
    PixelsHigh = Form1.picMain.Height + 15
    ZoomLevel = "Country"
End Sub
```

```
Sub HelpShowNames_Click ()
    Select Case ZoomLevel
    Case "Country"
        If CityNamesOn Then
            HideNames (NumberOfCities)
            CityNamesOn = False
        Else
            ShowNames (NumberOfCities)
            CityNamesOn = True
        End If
    Case "City"
        If AreaNamesOn Then
            HideNames (NumberOfAreas)
            AreaNamesOn = False
        Else
            ShowNames (NumberOfAreas)
            AreaNamesOn = True
        End If
    Case "Location"
        If ItemNamesOn Then
            HideNames (NumberOfItems)
            ItemNamesOn = False
        Else
            ShowNames (NumberOfItems)
            ItemNamesOn = True
        End If
    End Select
End Sub
```

```
Sub HideNames (NumNames)
```

```
    HelpShowNames.Checked = False
    Select Case ZoomLevel
```


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```
Case "Country"
  For i = 1 To NumNames
    Unload LabelName(i)
  Next
Case "City"
  For i = 1 To NumNames
    Unload LabelName(i)
  Next
Case "Location"
  For i = 1 To NumNames
    Unload LabelNameb(i)
  Next
End Select
End Sub

Sub MoveToAreaMap (Index As Integer)
  If CityNamesOn = True Then
    HideNames (NumberOfCities)
  End If
  picCityPick(Index).BackColor = &H0&
  picUSA.Picture = picMain.Picture
  CityBmpName = GetCityBmpName(Index)

  'use the next line for delivery only
  'picMain.Picture = LoadPicture(CityBmpName)

  'use the next line during development only
  picMain.Picture = LoadPicture("t:\client\civix\proto\current\" & CityBmpName)

  HideCities
  CurrentCityKey = Cities(Index).Key
  CurrentCityIndex = Index
  Panel3D7.Caption = Cities(Index).Name
  Panel3D9.Caption = "None"
  Panel3D11.Caption = "None"
  lblUSMapCaption.Visible = True
  ShowAreas
  cmdZoom.Caption = "U.S. Map"
  lblPopCityArea.Visible = False
```



```

lblPopItem.Visible = False
ZoomLevel = "City"
If AreaNamesOn = True Then
    ShowNames (NumberOfAreas)
End If

```

End Sub

```

Sub MoveToLocationMap (Index As Integer)
    If AreaNamesOn = True Then
        HideNames (NumberOfAreas)
    End If
    lblPopCityArea.Visible = False
    lblPopItem.Visible = False
    picCityPick(Index).BackColor = &H0&
    Form1.MousePointer = 1
    CityPicture.Picture = picMain.Picture

```

AreaBmpName = GetAreaBmpName(Index)

```

'use the next line for delivery only
'picMain.Picture = LoadPicture(AreaBmpName)

```

```

'use the next line during development only
picPort.Picture =
    LoadPicture("t:\client\civix\proto\current\" &
        AreaBmpName)

```

```

CurrentLocation = Index
HideAreas
lblUSMapCaption.Visible = False
p3DItemInfo.Visible = True
p3DStreetAddLbl.Visible = True
p3DPhoneLbl.Visible = True
p3DFaxLbl.Visible = True
'p3DDescLbl.Visible = True
picSponsorAd.Visible = True

p3DStreetAdd.Visible = True

```



```
p3DPhone.Visible = True
p3DFaxNumber.Visible = True
'p3DDescription.Visible = True
```

```
p3DStreetAdd.Caption = ""
p3DPhone.Caption = ""
p3DFaxNumber.Caption = ""
p3DDescription.Caption = ""
p3DItemInfo.Caption = "Item Data"
```

```
Panel3D2.Visible = True
Panel3D3.Visible = True
Panel3D5.Visible = True
cmdUpdate.Visible = True
picPort.Height = PortYPix
picPort.Width = PortXPix
picPort.Visible = True
picMain.Visible = False
cmbCategories.Visible = True
cmbCategories.Clear
cmbHeadings.Visible = True
cmbHeadings.Clear
GetHeadings
```

```
If NumberOfHeadings > 0 Then
```

```
HeadingsSet.MoveFirst
```

```
For i = 1 To NumberOfHeadings - 1
```

```
    cmbHeadings.AddItem HeadingsSet!Heading
```

```
    HeadingsSet.MoveNext
```

```
Next
```

```
cmbHeadings.AddItem HeadingsSet!Heading
```

```
curHeadingStr = cmbHeadings.List(0)
```

```
cmbHeadings.Text = cmbHeadings.List(0)
```

```
End If
```

```
GetHeadingIndex (curHeadingStr)
```

```
GetCategories (curHeadingIndex)
```

```
If NumberOfCategories > 0 Then
```

```
    CategorySet.MoveFirst
```

```
For i = 1 To NumberOfCategories - 1
```

```
    cmbCategories.AddItem CategorySet!Category
```



```

CategorySet.MoveNext
Next
cmbCategories.AddItem CategorySet!Category
cmbCategories.Text = cmbCategories.List(0)
CategorySet.MoveFirst
curCategoryStr = cmbCategories.Text
GetCategoryIndex (curCategoryStr)
ShowItems (curCategoryIndex)
End If
Panel3D7.Caption = Cities(CurrentCityIndex).Name
Panel3D9.Caption = Areas(CurrentLocation).Name
Panel3D11.Caption = curCategoryStr
cmdZoom.Caption = Cities(CurrentCityIndex).Name & " Map"
ZoomLevel = "Location"
If ItemNamesOn = True Then
    ShowNames (NumberOfItems)
End If

End Sub

Sub picAreaPick_Click (Index As Integer)
    MoveToLocationMap (Index)
End Sub

Sub picAreaPick_GotFocus (Index As Integer)
    picAreaPick(Index).BackColor = &H0&
    If Not AreaNamesOn Then
        lblPopCityArea.Caption = Areas(Index).Name

        topl = picAreaPick(Index).Top
        left1 = picAreaPick(Index).Left + 10
        If (left1 + lblPopCityArea.Width) > picMain.Width Then
            left1 = picMain.Width - lblPopCityArea.Width
            topl = topl - 20
        End If
        If topl < 0 Then
            topl = topl + 10
        End If
        lblPopCityArea.Top = topl
    End Sub

```


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```
top1 = top1 - 30
End If
If top1 < 0 Then
    top1 = top1 + 10
End If
lblPopCityArea.Top = top1
lblPopCityArea.Left = left1
lblPopCityArea.Visible = True
End If

End Sub

Sub picCityPick_KeyPress (Index As Integer, KeyAscii As Integer)
    If KeyAscii = 13 Or KeyAscii = 43 Then
        MoveToAreaMap (Index)
    End If
End Sub

End Sub

Sub picCityPick_LostFocus (Index As Integer)
    picCityPick(Index).BackColor = &HFFFFFFF
End Sub

Sub picCityPick_MouseMove (Index As Integer, Button As Integer,
    Shift As Integer, X As Single, Y As
    Single)

    Form1.MousePointer = 10
    picCityPick(Index).SetFocus
End Sub

Sub picItemPick_GotFocus (Index As Integer)

    picItemPick(Index).BackColor = &H0&
    If Not ItemNamesOn Then
        lblPopItem.Caption = Items(Index).Name
    top1 = picItemPick(Index).Top
```



```

left1 = picItemPick(Index).Left + 10
If (left1 + lblPopItem.Width) > picPort.Width Then
    left1 = picPort.Width - lblPopItem.Width
    topl = topl - 10
End If
If topl < 0 Then
    topl = topl + 10
End If
lblPopItem.Top = topl
lblPopItem.Left = left1
lblPopItem.Visible = True
p3DStreetAdd.Caption = Items(Index).StreetAdd
p3DPhone.Caption = Items(Index).Phone
p3DFaxNumber.Caption = Items(Index).Fax
p3DDescription.Caption = Items(Index).Description
p3DItemInfo.Caption = "Item Data for " &
    Items(Index).Name
End If

End Sub

Sub picItemPick_LostFocus (Index As Integer)
    picItemPick(Index).BackColor = &HFFFFFFF
End Sub

Sub picItemPick_MouseMove (Index As Integer, Button As Integer,
    Shift As Integer, X As Single, Y As
    Single)
    Form1.MousePointer = 10
    picItemPick(Index).SetFocus
End Sub

Sub picMain_Click ()
    Beep
End Sub

```


FORM1.MOUSEPOINTER = 1

```
Sub picMain_MouseMove (Button As Integer, Shift As Integer, X As Integer, Y As Single)
    Form1.MousePointer = 1
End Sub
```

```
Sub picPort_Click ()
    Beep
End Sub
```

```
Sub picPort_MouseMove (Button As Integer, Shift As Integer, X As Integer, Y As Single)
    Form1.MousePointer = 1
End Sub
```

```
Sub ShowNames (NumNames)
```

```
    lblPopCityArea.Visible = False
    lblPopItem.Visible = False
    HelpShowNames.Checked = True
```

```
    Select Case ZoomLevel
    Case "Country"
```

```
        For i = 1 To NumNames
            Load LabelName(i)
            LabelName(i).Caption = Cities(i).Name
            topl = picCityPick(i).Top
            left1 = picCityPick(i).Left + 10
            If topl < 0 Then
                topl = topl + 4
            End If
            LabelName(i).Top = topl
            LabelName(i).Left = left1
            LabelName(i).Visible = True
        Next
```

```
    Case "City"
        For i = 1 To NumNames
            Load LabelName(i)
            LabelName(i).Caption = Areas(i).Name
```



```

top1 = picAreaPick(i).Top
left1 = picAreaPick(i).Left + 10
If top1 < 0 Then
    top1 = top1 + 4
End If
LabelName(i).Top = top1
LabelName(i).Left = left1
LabelName(i).Visible = True
Next
Case "Location"
For i = 1 To NumNames
    Load LabelNameb(i)
    LabelNameb(i).Caption = Items(i).Name
    top1 = picItemPick(i).Top
    left1 = picItemPick(i).Left + 10
    If top1 < 0 Then
        top1 = top1 + 4
    End If
    LabelNameb(i).Top = top1
    LabelNameb(i).Left = left1
    LabelNameb(i).Visible = True
Next
End Select
End Sub

```

```

Sub cmdAboutOK_Click ()
    frmAbout.Hide
End Sub

```

```

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'
' This software developed by The OXKO

```


Corporation for CIVIX. The ownership
 of the software shall transfer to CIVIX
 upon payment as arranged.

Global NumberOfCities As Long
 Global NumberOfAreas As Long
 Global NumberOfItems As Long
 Global NumberOfCategories As Long
 Global NumberOfHeadings As Long
 Global ZoomLevel As String
 Global CitySet As Dynaset
 Global AreaSet As Dynaset
 Global ItemSet As Dynaset
 Global CategorySet As Dynaset
 Global HeadingsSet As Dynaset
 Global GlobalSet As Dynaset

Global CurrentCityIndex As Long
 Global CurrentLocation As Long
 Global CurrentCityKey As Long
 Global curCategoryStr As String
 Global curCategoryIndex As Integer
 Global curHeadingStr As String
 Global curHeadingIndex As Integer
 Global Db As Database
 Type CityRecord

Name As String
 MapName As String
 Key As Long
 XCoord As Long
 YCoord As Long
 MaxXGrid As Long
 MaxYGrid As Long
 End Type
 Type AreaRecord
 Name As String

MapName As String
 XCoord As Long
 YCoord As Long

End Type

Type ItemRecord

Name As String
 StreetAdd As String
 Key As Long

Category As String

XCoord As Long

YCoord As Long

Directions As String

Description As String

Phone As String

Fax As String

OwnerManager As String

Title As String

OtherAddress As String

End Type

Global Cities() As CityRecord
 Global Areas() As AreaRecord
 Global Items() As ItemRecord
 Global CityBmpName As String
 Global AreaBmpName As String
 Global CityNamesOn As Integer
 Global AreaNamesOn As Integer
 Global ItemNamesOn As Integer
 Global PortXPix As Integer
 Global PortYPix As Integer
 Global CityXPix As Integer
 Global CityYPix As Integer
 Global PortXGrid As Integer
 Global PortYGrid As Integer

' bitmap for a city
 ' bitmap for a intersectional point

Sub DeleteCategories ()
 CategorySet.Close
 Form1.cmbCategories.Clear
 End Sub

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Function GetAreaBmpName (Index As Integer)

 GetAreaBmpName = Areas(Index).MapName

End Function

Sub GetCategories (Key As Integer)

 Set CategorySet = Db.CreateDynaset("SELECT DISTINCTROW
 Categories.Category, Categories.Index FROM Categories
 WHERE (Categories.Heading = " & Key & ") WITH
 OWNERACCESS OPTION; ")

 If Not CategorySet.EOF Then

 CategorySet.MoveLast

 NumberOfCategories = CategorySet.RecordCount

 CategorySet.MoveFirst

 'MsgBox "Cats : " & NumberOfCategories

 Else

 MsgBox "No Items for this Heading!"

 End If

End Sub

Sub GetCategoryIndex (curCategoryStr As String)

 CategorySet.MoveFirst

 While Not CategorySet.EOF

 If CategorySet!Category = curCategoryStr Then

 curCategoryIndex = CategorySet!Index

 End If

 CategorySet.MoveNext

Wend

End Sub

Sub GetCities ()

 Index = 1

 CitySet.MoveFirst


```

While Not CitySet.EOF
    Cities(Index).MapName = CitySet!FileName
    Cities(Index).Key = CitySet!CityKey
    Cities(Index).Name = CitySet!Name
    Cities(Index).XCoord = CitySet!XCoord
    Cities(Index).YCoord = CitySet!YCoord
    Cities(Index).MaxXGrid = CitySet!MaxXGrid
    Cities(Index).MaxYGrid = CitySet!MaxYGrid
    Load Form1.picCityPick(Index)
    Form1.picCityPick(Index).Top = Cities(Index).YCoord
    Form1.picCityPick(Index).Left = Cities(Index).XCoord
    Form1.picCityPick(Index).Visible = True
    CitySet.MoveNext
    Index = Index + 1
Wend

```

End Sub

```

Function GetCityBmpName (Index As Integer)

```

```

    GetCityBmpName = Cities(Index).MapName

```

End Function

```

Sub GetHeadingIndex (HeadingStr As String)

```

```

    HeadingsSet.MoveFirst
    While Not HeadingsSet.EOF
        If HeadingsSet!Heading = HeadingStr Then
            curHeadingIndex = HeadingsSet!Index
        End If
    HeadingsSet.MoveNext
Wend

```

End Sub


```

Sub GetHeadings ( )

Set HeadingsSet = Db.Createdynaset("SELECT DISTINCTROW
CatHeadings.Heading, CatHeadings.Index FROM CatHeadings
WITH OWNERACCESS OPTION;")

If Not HeadingsSet.EOF Then
    HeadingsSet.MoveLast
    NumberOfHeadings = HeadingsSet.RecordCount
    HeadingsSet.MoveFirst
    curHeadingStr = HeadingsSet!Heading
Else
    MsgBox "No Headings!"
End If

End Sub

Sub GetNumberOfCities ( )

If Not CitySet.EOF Then
    CitySet.MoveLast
    NumberOfCities = CitySet.RecordCount
Else
    MsgBox "No Cities, cannot continue"
End If
End If
ReDim Cities(NumberOfCities)

End Sub

Sub HideAreas ( )

If NumberOfAreas > 0 Then
    For i = 1 To NumberOfAreas
        Form1.picAreaPick(i).Visible = False
    Next
End If

```


End Sub

Sub HideCities ()

```
Form1.cmdZoom.Visible = True
Form1.Panel3D1.Visible = True
Form1.Panel3D4.Visible = False
For i = 1 To NumberOfCities
    Form1.picCityPick(i).Visible = False
Next
```

End Sub

Sub HideItems ()

```
For i = 1 To NumberOfItems
    Unload Form1.picItemPick(i)
Next
```

ReDim Items(1)

NumberOfItems = 0

End Sub

Sub ShowAreas ()

```
If NumberOfAreas > 0 Then
    For i = 1 To NumberOfAreas
        Unload Form1.picAreaPick(i)
    Next
    ReDim Areas(1)
    NumberOfAreas = 0
End If
```

```
Set AreaSet = Db.CreateDynaset("SELECT Locations.City,
Locations.Name, Maps.FileName, Locations.LocationKey,
GridCoord.XCoord, GridCoord.YCoord FROM Locations,
Maps, GridCoord, Locations LEFT JOIN Maps ON
Locations.MapName = Maps.Name, Locations LEFT JOIN
GridCoord ON Locations.GridLoc = GridCoord.GridKey
where city = " & CurrentCityKey & " WITH OWNERACCESS
OPTION;")
```



```

If Not AreaSet.EOF Then
    AreaSet.MoveLast
    NumberOfAreas = AreaSet.RecordCount
Else
    Exit Sub
End If

ReDim Areas(NumberOfAreas)

Index = 1
AreaSet.MoveFirst
While Not AreaSet.EOF
    Areas(Index).MapName = AreaSet!FileName
    Areas(Index).Name = AreaSet!Name
    Areas(Index).XCoord = AreaSet!XCoord
    Areas(Index).YCoord = AreaSet!YCoord
    Load Form1.picAreaPick(Index)

    'MsgBox "CityXPix: " & CityXPix & " CityYPix: " &
        "CityYPix

    'MsgBox "CityMaxX: " & Cities(CurrentCityIndex).MaxXGrid
        & " CityYMax: " &
        Cities(CurrentCityIndex).MaxYGrid

    'MsgBox "X: " & Areas(Index).XCoord & " Y: " &
        Areas(Index).YCoord

    Form1.picAreaPick(Index).Left = CityXPix *
        (Areas(Index).XCoord /
        Cities(CurrentCityIndex).MaxXGrid)

    Form1.picAreaPick(Index).Top = CityYPix *
        (Areas(Index).YCoord /
        Cities(CurrentCityIndex).MaxYGrid)

```


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```
Form1.picAreaPick(Index).Visible = True
AreaSet.MoveNext
Index = Index + 1
Wend
```

End Sub

Sub ShowCities ()

```
Form1.cmdZoom.Visible = False
Form1.Panel3D1.Visible = False
Form1.Panel3D4.Visible = True
For i = 1 To NumberOfCities
    Form1.picCityPick(i).Visible = True
    Form1.picCityPick(i).BackColor = &HFFFFFFF
Next
```

End Sub

Sub ShowItems (Key As Integer)

```
MaxX = Areas(CurrentLocation).XCoord + Int(.5 * PortXGrid)-1
Minx = Areas(CurrentLocation).XCoord - Int(.5 * PortXGrid)
MaxY = Areas(CurrentLocation).YCoord + Int(.5 * PortYGrid)-1
MinY = Areas(CurrentLocation).YCoord - Int(.5 * PortYGrid)
```

```
Set ItemSet = Db.Createdynaset("SELECT DISTINCTROW
Items.Name, Items.Description, Items.Directions,
Items.ItemKey, GridCoord.XCoord, GridCoord.YCoord,
Items.StreetAdd, Items.Phone, Items.Fax,
Items.OwnerManager, Items.Title, Items.OtherAddress,
Categories.Index FROM Items, Categories, Cities,
GridCoord, CatsForItems, Cities LEFT JOIN Items ON
Cities.CityKey = Items.CityKey, Items LEFT JOIN
GridCoord ON Items.GridLoc = GridCoord.GridKey, Items
LEFT JOIN CatsForItems ON Items.ItemKey =
CatsForItems.ItemRef, CatsForItems LEFT JOIN Categories
ON CatsForItems.CatRef = Categories.Index WHERE
```


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```
((Cities.CityKey = " & CurrentCityKey & ") And
(Categories.Index = " & Key & ") And (GridCoord.XCoord
<= " & MaxX & ") And (GridCoord.XCoord >= " & Minx & ")
And (GridCoord.YCoord <= " & MaxY & ") And
(GridCoord.YCoord >= " & MinY & ")) WITH OWNERACCESS
OPTION;")
```

```
If Not ItemSet.EOF Then
    ItemSet.MoveLast
    NumberOfItems = ItemSet.RecordCount
    'MsgBox " Items: " & NumberOfItems
Else
    'MsgBox "No Items for this Category!"
    Exit Sub
End If
```

```
ReDim Items(NumberOfItems)
```

```
Index = 1
ItemSet.MoveFirst
While Not ItemSet.EOF
    Items(Index).Key = ItemSet!ItemKey
    Items(Index).Name = ItemSet!Name
    Items(Index).Description = ItemSet!Description
    Items(Index).Directions = ItemSet!Directions
    Items(Index).XCoord = ItemSet!XCoord
    Items(Index).YCoord = ItemSet!YCoord
    Items(Index).StreetAdd = ItemSet!StreetAdd
    Items(Index).Phone = ItemSet!Phone
    Items(Index).Fax = ItemSet!Fax
    Items(Index).OwnerManager = ItemSet!OwnerManager
    Items(Index).Title = ItemSet!Title
    Items(Index).OtherAddress = ItemSet!OtherAddress
    Load Form1.picItemPick(Index)
```

```
Form1.picItemPick(Index).Top = Int(((Items(Index).YCoord
- Areas(CurrentLocation).YCoord) / PortYGrid) +
.5) * (PortYPix))
```


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```
Form1.picItemPick(Index).Left =  
    Int((((Items(Index).XCoord -  
        Areas(CurrentLocation).XCoord) / PortXGrid) + .5)  
        * (PortXPix))
```

```
'MsgBox " Top : " & Form1.picItemPick(Index).Top & "  
    Left: " & Form1.picItemPick(Index).Left
```

```
Form1.picItemPick(Index).Visible = True  
ItemSet.MoveNext  
Index = Index + 1  
Wend
```

End Sub

```
Sub Timer1_Timer ()  
    Form1.Show 0  
    Splash.Hide  
    Timer1.Enabled = False  
    Unload Splash
```

End Sub